592

:lsfoT

312

Price/Uni	Receive	Status	Container ON	Accounting of dot	Received	Date	Order	fquipment ID	toelorq	For Part	Description	Purchased Item	em19T	Rel	Line Item No	Supplier	ON O
¥/\$9.Z1\$	anna			ON GOO	\$\$	3/2/2018				ON	00.St x 002, 188 a7-1908	000.S1X008.0BaT180aM	Net 30		QN	THY001-	1816800
M\36.7 &	312/2018	госк	\$62 <b>1</b> \$0\$		54						. 00.2 x 002. rs8 91-rs03 -rs03. rs8 91-rs03 -rs03. rs03. rs	000.20X002.089Tr308M			2		
H / \$6.58	3/2/2018	Stock	\$672408		54						1000 X 1,000 X 1,000 TE 868 TI,000 TE 1000 TE	000.1X000.183T1809M			ε		
N / 88.5	S 810Z/Z/S	зроск з	962240	5	24						50-61-76 Bar 1.00 X 2.00:  MATERIAL: 6061-1  FINGS/11/6571/162  TENTGS/11/65/11/62  TENTGS/11/65/11/62  TENTGS/11/61/61/62  TENTGS/11/61/61/62  TENTGS/11/61/61/62  TENTGS/11/61/61/62  TENTGS/11/61/61/62  TENTGS/11/61/61/62  TENTGS/11/61/61/62  TENTGS/11/61/61/62  TENTGS/11/61/61/61/61/61/61/61/61/61/61/61/61/				b		
13.23.Ft	\$ 8102/2/	tock 3	S 1627100	s	Zi		21				SOFTE Bat 750 X 6:00 : MATERIAL: 6061.  MATERIAL: 6061.  ALUMINUM BAR PER ALS.  ALUMINUM BAR PER ALS.				8		
¥/56.7	\$ 8102/2	tock 3/	S @ 8627M	ş	12						000.5 X 03C, t sed 81140.  1-1608.1AIREATMESTED.126717.85717.  RAPI RAB MUNIMUL.  PART RAB MUNIMUL.  PART RAB RAB RASCA-O.  PO-SMA PO 8182S-A-O.  PO RAB RAB RASCA-O.  OD RAB RAB RAB RASCA-O.  OD RAB RAB RAB RASCA-O.  OD RAB	4/100	Wis		6		
12 \ ES.1	7 \$ 8102/2	OCK 3/3	9S 66ZZ/M	05	PPI		96				51-TER OBO Sheet: INTERIAL: 6061-TE/TÉS ER QQ-A-SE0/11 OR MS-QQ-A-SE0/11 OR MS-QQ-A-SE0/11 OR MS-QQ-B-SE0/11 OR MS-QG-B-SE0/11 OR MS-QG-B-SE0/11 OR MS-QG-B-SE0/11 OR MS-GG-B-SE0/11 OR MS-GG-B-SE0/11 OR MS-GG-B-SE0/11 OR	64127			01		
\$2\10.f	18 8102/3	OCK 3/5	95 00624	os	84		67				1.63-1.63 (1.64)  1.64 (1.64)  1.64 (1.64)  1.65 (1.64)	M  A  q  A					

Print

## PURCHASE ORDER PO039131

Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada TAAC

Phone: 613-632-5200

Tel (613) 632-5200

	Hawkesbury ON K6A 1K7 Canada	Freight Terms:	: QUOTE NO: 1203013512
:oT qida	1270 Aberdeen Street	Pymt Terms:	0£ 1eV
		:siV	Dinone
			сіаvоіе@dartаего.com
	Fax: 905 738 9033	Ship-To Contact:	Lavoie, ChantalPhone:
	M5W 5V8 Canada Phone: 905 669 9444	Revision Date:	
	NO ON	Revision:	010-
	Toronto	Purchase Order	- FEB 5 7 2018 P
	"A"lsteoq ,2754 xo8 Oq	Due Date:	3/2/18
	O/A VPK Metal- c/o T27540	PO Date:	81/35/2
Supplier:	THY001-VC Thyssenkrupp Materials CA Ltd	:oN Od	PO039131

Extended Price	Unit Price (CAD)	Balance	Received Quantity_	Order	Date	Status	Description	Supplier Part No	Part	Line
DE'EZ†\$	8/07. 2 0	24 £	h€			bəmii	500.X 12.00 500.X 12.000 500.ENTESTIVES 1017.15371/T62 T6716571/T657107.15371/T62 T6717/T6718 ARS ARS-QQ-ARS ARS ARS ARS ARS ARS ARS ARS ARS ARS		M6061T6B0.500X12.000	ı
0 <del>1</del> ′92 <b>\\$</b>	840 PP 8605 S 0 9A		ふせ 少o	24 H	3/2/18	Firmed	00.2 X 005. 1pg 3T-1908 -1606. 1AIRJETAM: -1606. 2AIL153Tht23Tht23Tht23Tht23Tht23Tht23Tht23Tht2		000.20X002.089T1909M	2
99`04\$		# 42 CAG F F F F F F F F F F F F F F F F F F F	LE Do	74 tZ	81/2/8	. bermid	000.1 X 0000.1 184 611906 -1606-1-16061.1 160		000.fX000.f83Tf303M	ε

Extende	3inU		Received	Order	Due		smail	Supplier Part No	heq	Line
Frice \$141.		24 H		<b>Quantity</b> ∑4 fi	3/2/18		Description  6061-T6 Bar 1.00 X 2.00  1 MATERIAL: 6061-  5 TA 17651/T651/T651/T651/T651/T651/T651/T651/T		000.20X000.189T1909M	Þ
8.199\$	₩/€0.11 <b>\$</b>	¥ 09	<b>й</b> 0	ਜੇ 09	3/2/18	Firmed	505.1 × 505.1 × 5.50 5061-16 Bar 1.50 × 2.50 517165171651176511765 5167651716510765 5171651076 5171676 51		005.20X005.189T1909M	g
\$5.412\$	#/98.71 <b>\$</b>	म टा	# o	# SI	81/8/6	pərmi	MATERIAL: 606176 60176 8at 2.250 X 2.250 MATERIAL: 606176517762 MA MUMINUM BAR PER MA SAS/8 OR AMS-QQ- MA SAS/9 OR AMS-QQ- MA SAS		M606116B2.250X2.250	9
00.078\$	11/05.27\$	# Z1	ñ o	12 स	81/8/8	c bəmi'	MATERIAL: 6061- 6/T651/T6510/T6511 6/T651/T6510/T6511 LUMINUM BAR PER -225/8 OR AMS-QQ- -225/8 OR AMS-QQ- -200/8 OR AMS-QQ- -200/8 OR AMS-QQ- R ASTM B211 OR STM B221	: : : : : : : : : : : : : : : : : : :	M6061T6B1.000X16.000  M6061T6B1.000X16.000  M6061T6B1.0000X16.000	7 Tem Mote
9 <b>7.8</b> 51\$	#\es.er\$ 8f0\$ \$ 0 \$A	SAD	£1	11 21	81/2/	£ bərmi		1:88 1:80 1:80 1:40 1:40 1:40 1:40 1:40 1:40 1:40 1:4	000.80X08₹.089T1808M	8

MAR   Description   Status   Date   Consulty   Date   Consulty   Date   Consulty   Date   Consulty   Date   Consulty   Date   Consulty   Date   Dat	Extende	Unit	140	Received	Order	ate()		Items	Supplier Part No	ħε٩	Line
### ### ### ### ### ### ### ### ### ##	2.88 <b>\$</b>	₩3£. <b>\</b> \$		по				5000.5 X 030.1 B8 at 1.200 3 2.1000 - 1606.1 AINTERN. 6.601.1 6.001.1 6.001.1 6.001.2 6.001.0 AINTERN. 6.001.0 AINTERN. 6.001.0 AINTERN. 6.001.1 6.00			
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	9E.E31 <b>\$</b>	#\87.21 <b>\$</b>	ग्रद	ñо	12 ft	81/2/18	; bəmi	MATERIAL: AISI 304/316 MATERIAL: AISI 304/316 S BAR OR AISI 304/316 AZTE AS PER ASTM SZF OR ASTM AS40 AZTE OR ASTM TOTE: AISI 303 NOT MATERIALS MATERIALS MATERIALS	2	008.1X037.0840£M	12

Order Notes

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

hotspilone sel dentification (se single selection)

A017 raw material identification (as applicable) A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit

Plex 2/26/18 2:08 PM dart.lavoie.chantal



**thyssenkrupp** 

## **DELIVERY NOTE**

thyssenkrupp Materials NA,2821 Langstaff Road, Concord, ON L4K 5C6



AUEOE Route: 10058125 CUSTOMER NO: 39131 YOUR P/O: 1403244606 ORDER NO: 2405789206 BOL. NO: \*9026876042 DOC: NO: 03/05/2018 : BTAG

HAWKESBURY ON K6A 1K7 1270 ABERDEEN ST DART AEROSPACE LTD

P.COM STAN.IVERS@THYSSENKRUP :JIAM3 905-738-9033 ext 9033 :XA7 905-532-1350 ext 21350 TEL: Stan Ivers :TOATMOD

ATIN: CHANTAL/LINDA TO SHIPPING WILL TEST REPORTS, PACKING SLIPS ARE TO SENT

SERVICE C ---

\*\* REFERENCED ON IT \*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER

**VENDPO** 

DESCRIPTION ITEM Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.

201800084

TOTH

1008340002 5 bC NET QTY1 / QTY2 PACKAGE NO

91 491

Nominal Chemistry/Act Physical 0.50000 X 12.0000 X 144 Mill Length 6061 T6511 Aluminum Extruded Rectangular 0010 ALREC76047

**NOW VEND** 

Standard Packaging

QTY

MUNDAT

2001313800 2 **bcs** 

dl 000,181

Total Gross Weight

Delivery Terms: PPD gem. Incoterms 2000 Prepaid PREPAID All items, not declared as partial delivery, are final quantities.



**fp**\lambda zeenkrupp

thyssenkrupp Materials NA,2821 Langstaff Road, Concord, ON L4K 5C6

## **DELIVERY NOTE**

Stan Ivers CONTACT: AUEOE Route: 10058125 CUSTOMER NO: 39131 YOUR P/O: 1403244606 ORDER NO: 2405789206 BOL. NO: \*4057892042 DOC: NO: 03/05/5018 :3TAG

P.COM

STAN.IVERS@THYSSENKRUP

905-738-9033 ext 9033

905-532-1350 ext 21350

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON K6A 1K7

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:JIAM3

:XA7

:JBT

supplier where the data are the result of analysis by a qualified laboratory.

David Moordine - Director of Quality Assurance

P



## **thyssenkrupp**

## **DELIVERY NOTE**

thyssenkrupp Materials NA,2821 Langstaff Road, Concord, ON L4K 5C6





AUEOE Route: 10058125 CUSTOMER NO: 39131 YOUR P/O: 1403244606 ORDER NO: 2405789207 BOL, NO: \*405987604 DOC' NO: 03/05/2018 :3TAG

HAWKESBURY ON K6A 1K7 1270 ABERDEEN ST DART AEROSPACE LTD



TO SHIPPING MITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR MILL TEST REPORTS, PACKING SLIPS ARE TO SENT P.COM

REFERENCED ON IT PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\* ATTN: CHANTAL/LINDA

DESCRIPTION ITEM Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.

:JIAM3

:XA7

:137

CONTACT:

1008339674 NET QTY1 / QTY2 PACKAGE NO

STAN.IVERS@THYSSENKRUP

905-738-9033 ext 9033

Stan Ivers

905-532-1350 ext 21350

5 bC

91 04

**bcs** HLOT **NENDBO NOW VEND** YTD MUNDAT Standard Packaging Nominal Chemistry/Act Physical 00003.0 (+-.009) X (460.-+) 0000.3 X (900.-+) 6061 T6511 Aluminum Extruded Rectangular

201801965 **SEBAICE C 240038321** 2001313765 2

SAE AMS-QQ-A-200/8 1997;ROHS COMPLIANT; ESTI 2014

73.000 lb

Total Gross Weight

Delivery Terms: PPD gem. Incoterms 2000 Prepaid PREPAID All items, not declared as partial delivery, are final quantities.

0010 ALREC00870



**fp**\lambda zeeukrupp

thyssenkrupp Materials NA,2821 Langstaff Road, Concord, ON L4K 5C6

## DELIVERY NOTE

:XA3	905-738-9033	1X9	9033	
TEL:	905-532-1350	jxə	21350	
:TOATMOO	Stan Ivers			
Route:	AUE0E			
CUSTOMER NO:	10028172			
:O/9 AUOY	18188			
ORDER NO:	1403244606			
BOL. NO:	2405789207			
DOC: NO:	2405789207*			
:3TAQ	03/02/2018			

P.COM

STAN.IVERS@THYSSENKRUP

HAWKESBURY ON K6A 1K7 1270 ABERDEEN ST DART AEROSPACE LTD

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:JIAM3

David Moordine - Director of Quality Assurance



## **fhyssenkrupp**

## DELIVERY NOTE

thyssenkrupp Materials NA,2821 Langstaff Road, Concord, ON L4K 5C6



CUSTOMER NO: 39131 YOUR P/O: 1403244606 ORDER NO: 2405789208 BOL, NO: 2405789208\* DOC: NO: 03/05/2018 :3TAQ

HAWKESBURY ON K6A 1K7 1270 ABERDEEN ST DART AEROSPACE LTD

TO SHIPPING WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR TEST REPORTS, PACKING SLIPS ARE TO SENT P.COM

REFERENCED ON IT PACKING SLIPS MUST HAVE THE HEAT NUMBER ATTN: CHANTAL/LINDA

SERVICE C 5400378112

**NENDBO** 

0100 DESCRIPTION METI Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.

:JIAM3

:XA7

:13T

Route:

CONTACT:

201719989

HIOT

1008339675 NET QTY1 / QTY2 PACKAGE NO

28 lb 5 bC

STAN.IVERS@THYSSENKRUP

905-738-9033 ext 9033

Stan Ivers

10058125

AUEOE

905-532-1350 ext 21350

Nominal Chemistry/Act Physical 1.00000 " (+-.012) X 144 Mill Length 6061 T6511 Aluminum Extruded Square ALSQ00013

Standard Packaging

**NOW VEND** 

**SOd** MUNDAT YTD

2001313766 2

4 LOSTISS B MTSA;TNALLAMOO SHOR;7901|8/002-A-DD-2MA BAS

31.000.FE Total Gross Weight

7

Delivery Terms: PPD gem. Incoterms 2000 Prepaid PREPAID All items, not declared as partial delivery, are final quantities.



**fp**\lambda 286 ukrupp

thyssenkrupp Materials NA,2821 Langstaff Road, Concord, ON L4K SC6

## DELIVERY NOTE

AUEOE Route: 10058125 CUSTOMER NO: 39131 YOUR P/O: 1403244606 ORDER NO: 2405789208 BOL, NO: \*8026876042 DOC: NO: 03/02/2018 :3TAG

P.COM

Stan Ivers

STAN.IVERS@THYSSENKRUP

905-738-9033 ext 9033

905-532-1350 ext 21350

HAWKESBURY ON K6A 1K7 1270 ABERDEEN ST DART AEROSPACE LTD

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: TIAME

:XA7

:JET

CONTACT:

supplier where the data are the result of analysis by a qualified laboratory.

David Moordine - Director of Quality Assurance



## **fhyssenkrupp**

## DELIVERY NOTE

Inyssenkrupp Materials NA,2821 Langstaff Road, Concord, ON L4K 5C6



**AUE0E** Route: 10058125 CUSTOMER NO: 39131 :O/9 RUOY 1403544606 ORDER NO: 2405789209 BOL. NO: \*405887604 DOC: NO: 03/05/2018 :3TAG

HAWKESBURY ON K6A 1K7 1270 ABERDEEN ST DART AEROSPACE LTD

TO SHIPPING WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR TEST REPORTS, PACKING SLIPS ARE TO SENT P.COM

:JIAM3

:XA7

:13T

:TOATNOO

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SERVICE C 5400381107 (201801773

**VENDPO** 

0010 ALREC00173 DESCRIPTION ITEM Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.

HLOT

1008339677 5 bC NET QTY1 / QTY2 PACKAGE NO

9 73

STAN.IVERS@THYSSENKRUP

905-738-9033 ext 9033

Stan Ivers

905-532-1350 ext 21350

Nominal Chemistry/Act Physical 1.00000.1 X (\$10.-+) X (\$10.-+) X (\$10.-+) A44 Mill Length 6061 T6511 Aluminum Extruded Rectangular

**NOW VEND** 

YTD Standard Packaging

MUNDAT

2001313767 2

dl 000.00

Total Gross Weight

7

Delivery Terms: PPD gem. Incoterms 2000 Prepaid PREPAID All items, not declared as partial delivery, are final quantities.

ARE AMS-QQ-A-200/8|1997;ROHS COMPLIANT;ASTM B 221|2014



thyssenkrupp Materials NA,2821 Langstaff Road, Concord, ON L4K 5C6

## **DELIVERY NOTE**

YOUR P/O:

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON K6A 1K7

CUSTOMER NO: 10058125

Route: 303UA

CONTACT: Stan Ivers

TEL: 905-738-9033 ext 9033

FAX: 905-738-9033 ext 9033

FAX: STAN.IVERS@THYSSENKRUP

39131

P.COM

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David Moordine - Director of Quality Assurance





## **thyssenkrupp**

dl 000,78

1008339688

## DELIVERY NOTE

thyssenkrupp Materials NA,2821 Langstaff Road, Concord, ON L4K 5C6



905-532-1350 ext 21350 :JBT Stan Ivers :TOATNOO Route: AUEOE 10028125 CUSTOMER NO: 39131 :O/9 RUOY 1403244606 ORDER NO: 2405789212 BOL. NO: 2405789212\* DOC: NO: :3TAG 03/05/2018

P.COM

STAN.IVERS@THYSSENKRUP

905-738-9033 ext 9033

l

HAWKESBURY ON K6A 1K7 1270 ABERDEEN ST DART AEROSPACE LTD

ATTN: CHANTAL/LINDA TO SHIPPING MILL TEST REPORTS, PACKING SLIPS ARE TO SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR

\*\* REFERENCED ON IT \*\* \*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER

Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.

**NENDBO** 

dignal liiM 441 X (440.-+) 0000.8 X (010.-+) 00087.0 6061 T6511 Aluminum Extruded Rectangular 9 19 J bC 0010 ALREC00274 NET QTY1 / QTY2 PACKAGE NO DESCRIPTION

HFOT

:JIAM3

:XA7

Nominal Chemistry/Act Physical

Standard Packaging

YTD MUNDAT

**NOW VEND** 

KAISER BE 5400386392 Z00106228 ьc 1 6948181002

Total Gross Weight SAE AMS-QQ-A-200/8/1997;ROHS COMPLIANT;ASTM B 221/2014

Delivery Terms: PPD gem. Incoterms 2000 Prepaid PREPAID All items, not declared as partial delivery, are final quantities.



thyssenkrupp Materials NA,2821 Langstaff Road, Concord, ON L4K 5C6

## **DELIVERY NOTE**

1270 ABERDEEN ST DOC. NO: 2405789212\*
1407 ABERDEEN ST 03/02/2018

ORDER NO: 39131 NOUR P/O: 39131 240574606

CONTROL 10058125 Route: 303UA

CONTACT: Stan lvers 905-7350 ext 21350 FAX: 905-738-9033 ext 9033

Fex: 905-738-9033 ext 9033 P.COM P.COM

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David Moordine - Director of Quality Assurance





thyssenkrupp

dl 000.04

1008339687

DELIVERY NOTE

COPY

3510210926 **COADING NO:** 18168 YOUR P/O: 1403544606 ORDER NO: 2405789213 BOL. NO: 2405789213\* DOC: NO: 03/01/2018 : BTAG

Stan Ivers

10058125

**AUE0E** 

HAWKESBURY ON K6A 1K7 1270 ABERDEEN ST DART AEROSPACE LTD

Ibyesenkning Materials NA 2821 Langstaff Road Concord, ON LAK 5C6

STAN.IVERS@THYSSENKRUP :JIAM3 905-738-9033 ext 9033 :XA7 905-532-1350 ext 21350 :131

CONTACT:

CUSTOMER NO:

Route:

Total Gross Weight

**bcs** 

DNI99IHS OT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\* ATTM: CHANTAL/LINDA

0100 NET OTY! OTY? PACKAGE NO. DESCRIPTION Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.

1.25000 (+-.080) X 2.0000 (--.081) X 144 Mill Length 37 Ib 6061 T6511 Aluminum Extruded Rectangular 1 bC **ALREC00726** 

Nominal Chemistry/Act Physical

Standard Packaging

**NOW VEND** YTØ MUNDAT

201800937 PC SERVICE C 2001313770 1 HLOT **NENDBO** 

SAE AMS-QQ-A-200/8|1997;ROHS COMPLIANT;ASTM B 221|2014

All items, not declared as partial delivery, are final quantities.

Delivery Terms: PPD gem. Incoterms 2000 Prepaid PREPAID

thyssenkruph Matenals MA 22355 W 11 Mile Road Southfield, MI 48033



STAN.IVERS@THYSSENKRUP

905-738-9033 ext 9033

Stan Ivers

10058125

3510210926

1403544606

2405789213

2405789213\*

AUE0E

39131

905-532-1350 ext 21350

COPY NOTE

thyssentiaupp Materials NA 2821 Langstaff Boad Concord Ob Lak 5C6

03/01/2018 :3TAG HAWKESBURY ON K6A 1K7 1270 ABERDEEN ST DART AEROSPACE LTD

## CERTIFICAT DE CONFORMITÉ/CERTIFICATE OF COMPLIANCE

specifications called for on said order that are current on the date order was accepted. vigueur à la date ou la commande a été acceptée. I thyssenkrupp Materials NA certifies that the material described above is in accordance with the drawings or \*thyssenkrupp Matériaux MA certifie que le matériel décrit ci-dessus est conforme aux dessins ou spécifications exigés sur le bon de commande et qui sont en

:JIAM3

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Route:

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CUSTOMER NO:

**FOADING NO:** 

YOUR PIO:

ORDER NO:

BOL: NO:

DOC: NO:

faite par un laboratoire qualifié/ We certify that the document reproduced here is true to the report provided by the equipment supplier where the data are the \*Nous certifions que le document reproduit ici est une copie conforme du rapport fourni par le fournisseur du matériel où les données résultent de l'analyse

David Moordine - Director of Quality Assurance result of analysis by a qualified laboratory.





**fpyssenkrupp** 

thyssenkning Materials NA 2821 Langstaff Road, Concord, ON LAK 5C6

COPY **DELIVERY NOTE** 

3510210836 **LOADING NO:** 39131 YOUR PIO: 1403244606 ORDER NO: BOL. NO: 2405789214 \*4126876042 DOC: NO: 02/28/2018 :3TAG

HAWKESBURY ON K6A 1K7 1270 ABERDEEN ST DART AEROSPACE LTD

TO SHIPPING WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR

\*\* REFERENCED ON IT \*\* \*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\* ATTN: CHANTAL/LINDA

Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.

**NENDPO** 

HLOT

EMAIL:

:XA7

:131 CONTACT:

Route:

CUSTOMER NO:

NET QTY1/QTY2 PACKAGE NO.

1008338797

162.570 lb 3 bC

STAN.IVERS@THYSSENKRUP

905-738-9033 ext 9033

905-532-1350 ext 21350

Stan ivers **AUE0E** 

10058125

ALFLR00493 OFFERING .080X48X144

19942 31 munimula 1893

DESCRIPTION

0100

MHIL

Nominal Chemistry/Act Physical 0.08000 (+-.0035) X Width 48.0000 X Length 144

Standard Packaging

QTY MUNDAT

**NOW VEND** 

10/46048 PC COPPER & 540038411\$ 2001313648

di 078.88S Total Gross Weight

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**bcs** 

Delivery Terms: PPD gem. Incoterms 2000 Prepaid PREPAID All items, not declared as partial delivery, are final quantities.

SAE AMS 4027|N;ROHS COMPLIANT;ASTM B209 2014



STAN.IVERS@THYSSENKRUP

905-738-9033 ext 9033

905-532-1350 ext 21350

Solution Materials NA 2821 Langualf Road Concord ON LAK 5C6

## COPY NOTE

Stan Ivers CONTACT: **AUE0E** Route: 10058125 CUSTOMER NO: 3510210836 **COADING NO:** 18168 YOUR P/O: 1403544606 ORDER NO: 2405789214 BOL. NO: \*4126876042 DOC: NO: 02/28/2018 :3TAG

HAWKESBURY ON K6A 1K7 1270 ABERDEEN ST DART AEROSPACE LTD

## CERTIFICAT DE CONFORMITÉ/CERTIFICATE OF COMPLIANCE

specifications called for on said order that are current on the date order was accepted. vigueur à la date ou la commande a été acceptée. I thyssenkrupp Materials NA certifies that the material described above is in accordance with the drawings or \*thyssenkrupp Matériaux NA certifie que le matériel décrit ci-dessus est conforme aux dessins ou spécifications exigés sur le bon de commande et qui sont en

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:XA7

:13T

faite par un laboratoire qualifié/ We certify that the document reproduced here is true to the report provided by the equipment supplier where the data are the \*Nous certifions que le document reproduit ici est une copie conforme du rapport fournisseur du matériel où les données résultent de l'analyse

result of analysis by a qualified laboratory.







## **thyssenkrupp**

## DELIVERY NOTE

thyssenkrupp Materials NA,2821 Langstaff Road, Concord, ON L4K 5C6



Stan Ivers :TOATNOO Route: **AUE0E** 10058125 CUSTOMER NO: 39131 YOUR P/O: 1403244606 ORDER NO: 2405789215 BOL. NO: \*6126875045 DOC: NO: 03/05/5018 :3TAG

P.COM

STAN.IVERS@THYSSENKRUP

905-738-9033 ext 9033

905-532-1350 ext 21350

HAWKESBURY ON K6A 1K7 1270 ABERDEEN ST DART AEROSPACE LTD

TO SHIPPING WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR TEST REPORTS, PACKING SLIPS ARE TO SENT

\*\* REFERENCED ON IT MUST HAVE THE HEAT NUMBER \*\* ALL PACKING SLIPS

CONSTELL! 0000282714

**NENDPO** 

NET OTY1 / OTY2 PACKAGE NO DESCRIPTION MBTI Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.

EMAIL:

:XA7

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99919X

HLOT

OO10 OFFERING .3125X48.5X144.5

foot faminimula foot ALFLR74857

Actual Chemistry/Act. Physical 0.31200 X Width 48.5000 X Length 144.5000

Standard Packaging

**UOM VEND** 

VTD MUNDAT

2001313673 1 **bcs** 

98,000,698

221 lb

1 bc

1

1008338932

Total Gross Weight

Delivery Terms: PPD gem. Incoterms 2000 Prepaid PREPAID All items, not declared as partial delivery, are final quantities.



thyssenkrupp Materials NA,2821 Langstaff Road, Concord, ON L4K 5C6

## DELIVERY NOTE

905-738-9033 ext 9033 :XA7 905-532-1350 ext 21350 :73T Stan Ivers CONTACT: **AUE0E** :ejuoA 10028125 CUSTOMER NO: 39131 YOUR P/O: 1403244606 ORDER NO: 2405789215 80F' NO: \*2126878045 DOC: NO: 03/02/2018 :3TAQ

P.COM

STAN.IVERS@THYSSENKRUP

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON KGA 1K7

## CERTIFICAT DE CONFORMITÉ/CERTIFICATE OF COMPLIANCE

\*thyssenkrupp Matériaux MA certifie que le matériel décrit ci-desaus est conforme aux desains ou spécifications exigés sur le bon de commande et qui sont en vigueur à la date ou la commande a été acceptée.\ thyssenkrupp Materials MA certifies that the material described above is in accordance with the drawings or specifications called for on said order that are current on the date order was accepted. \*Nous certifions que le document reproduit ici est une copie conforme du rapport fourni par le fournisseur du matériel où les données résultent de l'analyse faite par un laboratoire qualitié\ We certify that the document reproduced here is true to the report provided by the equipment supplier where the data are the result of analysis by a qualified laboratory.

:JIAM3

David Moordine - Director of Quality Assurance



## MATERIAL RECEIPT INSPECTION FORM

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Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

:BTAQ

RELEASED 2009 -05- 03

CP B REMOVE QG-A-250/11 OPTION. REFORMAT NOTES, ADD ASTM B21/18/21 (ZN D7-1) NEW ISSUE DESIGN DRAWN

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
DRAWING NO
R
M6061T6B
SHEE 6061-T6 BAR DATE 09.07.13 MFG. APPR. APPROVED CHECKED

SCALE REV. B. SHEET 1 OF 1

O

QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160) OR ASTM B211 OR STM B221 PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR

۵

M6061168 T.TTT X WW.WWW WIDTH THICK

WHERE "T.TT" = THICKNESS IN INCHES "WW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

0

PART NUMBER:

U

1

SPECIFICATION:

SPECIFICATION CONTROL DRAWING



## Service Center Metals

CERTIFIED INSPECTION REPORT AND TEST RESULTS

FOR EXTRUDED PRODUCTS

Made In

Prince George, VA 23875 5850 Quality Way

MANIFEST NUMBER

PL .500x12.000 4LLOY/TEMPER ALREC76047 5400383032 CUSTOMER PART NUMBER 355888 CUSTOMER PO

6061-T6511

D.Schroeder (Canada) 1/22/2018 DATE OF SHIPMENT SALESPERSON

PL0735

OVE NUMBER

ASTM-B221-14 StencilCont 941058 OUR ORDER NUMBER SPECIFICATION CERTIFICATION

N

AMS-QQA-200/8 Rev-A

RoHS 2011/65/EU Compliant

We hereby certify that the malerial covered by this report has been inspected in accordance with the most recent certify that the malerial covered by this report has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-76511 also meet the requirements of 6061-76.

26 pcs

2,201 lbs

Quantity Certified

ThyssenKrupp Materials NA-Concord, ON

Thyssenkrupp Materials NA

SHIP TO

All aluminum products supplied by Service Center Metals. LLC contain no functional mercury. Neither mercury nor its compounds are used in the manufacture of aluminum products supplied by Service Center Metals have not, to the best of our knowledge, contacted any source of mercury.

SCM is ISO 9001-2015 certified

This product is RoHS-2, REACH, and DFARS compliant.

ies		pre
Mechanical Properties	Lot No.	201718549 201800084
Mechan	Tests	4-

rength	max 42.60 41.80
Yield Strengt (KSI)	min 40.50 41.80
(KSI)	max 45.20 44.30
Ultimate Tensile Strength (KSI)	min 43.50 44.30
Test Date	11/13/17

19.00 max

> 16.40 11.60

E L

Elongation

Percent

6061	
Alloy	
Aluminum	
for Alur	
Composition	
Chemical	

	Melt Source:	United States of America	משפים מומפים מי שוויפונים	United States of America	משפה מומופה מו שווופווכם	United States of America
ers	Total	0.15	2	0 15		0.15
Oth	Each Total	0.05		0.05		0.05
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SCM products are melted and extruded in the USA

Calvin J. Wiggins, Director of Quality & Technical Services

Rev 7/20/17

Print Date: 1/22/2018

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Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

:BTAQ

ENGINEERING SIGNOFF (il required)

SIGNED OFF BY:

810S S O AAM &C S

:BTAG

INSPECTED BY:

OC 18 INSPECTION

# SPECIFICATION CONTROL DRAWING

0

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR SPECIFICATION:

M6061T6B T.TTT X WW.WWW QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR QQ-A-200/8 OR AMS-QQ-AC280/8 (OR AMS 4160) OR ASTM B211 OR ASTM B221

PART NUMBER:

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000 WHERE "T. TTT" = THICKNESS IN INCHES
"WW.WWW" = WIDTH IN INCHES THICK WIDTH

CHECKED
MFG APPR.
APPROVED DESIGN A NEW ISSUE REMOVE QQ-A-250/11 OPTION, REFORMAT NOTES, ADD ASTM B211/B221 (ZN D7-1) 09.07.13 6061-T6 BAR DART AEROSPACE LTD

HAWKESBURY, ONTARIO, CANADA

M6061T6B

SHEE COPYRIGHT © 2001 BY DARY AEROSPACE LTD

\*\*COPYRIGHT & 2001 BLY DARY AEROSPACE LTD

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Prince George, VA 23875 5850 Quality Way

## Service Center Metals

CERTIFIED INSPECTION REPORT AND TEST RESULTS

FOR EXTRUDED PRODUCTS

MANIFEST NUMBER

DATE OF SHIPMENT RB0101 DIE NUMBER

Made In

2/7/2018

941295 OUR ORDER NUMBER *CERTIFICATION* 

ASTM-B221/14 StencilCont SPECIFICATION

AMS-QQA-200/8 Rev-A specification

D.Schroeder (Canada)

-6061-T6511-

5400383505

ThyssenKrupp Materials NA-Concord, ON

Thyssenkrupp Materials NA

CUSTOMER PO

357463

PLLOY / TEMPER

SCRB .500x5.000

**ALREC00870** 

CUSTOMER PART NUMBER

75pcs

2,647 lbs

Quantity Certified

DESCRIPTION

SALESPERSON

RoHS 2011/65/EU Compliant

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification for revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-76511 also meet the requirements of 6061-76.

All aluminum products supplied by Service Center Metals, LLC contain no functional mercury. Neither mercury nor its compounds are used in the manufacture of aluminum products supplied by Service Center Metals have not, to the best of our knowledge, contacted any source of mercury.

## SCM is ISO 9001-2015 certified

This product is RoHS-2, REACH, and DFARS compliant.

		,	
ties		a	
chanical Properties	d /	[ 20	
Pro	Lot No	201801965	
ica		2018	
han	sts		
0	(O)	(0)	

Test Date	Ultimate	Ultimate Tensile Strength (KSI)	Yield Strengt (KSI)	rength	Flon	Percent
2/6/18	39.40	max 44.50	min 36.90	max 40.60	min 17.80	max 20.40

n Alloy 6061
ninur
ion for /
Composit
Chemical Composition for Alur

ers	ach Total	0.15
0	Each	0.05
	AL	97.81
	Ħ	0.03
	Zu	0.03
	ට්l	0.08
	Mg	0.89
	Mn	0.08
	3	0.19
	e e	0.28
į	<i>5</i>	0.62
:	Alloy	6061
4	LOT NO.	201801965
4	¢ (49)1	002K180128L

SCM products are melted and extruded in the USA

Calvin J. Wiggins, Director of Quality & Technical Services

Rev 7/20/17

Print Date: 2/7/2018

United States of America

Melt Source:

## MATERIAL RECEIPT INSPECTION FORM

		:3TAO				8100	S O SAM 68-8-STAG
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F (if required	AC SIGNOL	ENGINEERI		37			IC 18 INSPECTION
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Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

O

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/

QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160) OR ASTM B211 OR ASTM B221

PART NUMBER:

M6061T6B T.TTT X WW.WWW
THICK WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES
"WW.WWW" = WIDTH IN INCHES
E.G. 1.0" X 12.0" BAR = M606176B1.000X12.000

RELEASED 2009 -05-03

DATE OF	DE APPR	APPROVED	MFG APPR	CHECKED	DRAWN	DESIGN	1	REV	A NE	8 RE
09.07.13	1	1		200	B	SO			NEW ISSUE	MOVE QQ-A-250/1 TM B211/B221 (ZN
COPYRIGHT © 2001 BY DART AEROSPACE LTD  Inspectation research and constituting upon a start to an including constitution from a constitution and in a constitution from the analysis occurrency for the start to an analysis occurrency.  NOT TO BE USED FOR ANY PASSESS OR CONSTITUTION OF CO	6061-T6 BAR	THILE	M6061T6B	DRAWING NO.	HAWKESBURY, ONTARIO, CANADA	DART ARBORDACE ITS	DESCRIPTION			REMOVE QQ.A-250/11 OPTION, REFORMAT NOTES, ADD ASTM B211/B221 (ZN D7-1)
EROSPACE ON THE LOWILLISS TILD TO ANY CITIES					O CANAI	5	94	8	3	S.
LTD COMMON PART OF A	NTS		KEET OF A	- 1	ĕ =		DATE	01.06.08		09.07.13

Can Do.

Service Center Metals

Prince George, VA 23875 5850 Quality Way

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

Del.: 2405789208

02/28/2018

18.80

Date

CEFOR 39131

Mat:: 28 LB

Print Date: 12/28/2017

Cathr

DART AEROSPACE rrg. TK Materials CA, From:

DIE NUMBER

DATE OF SHIPMENT MSQ1825 LLOY / TEMPER

353651

MANIFEST NUMBER

12/28/2017

6061-T651

m ASTM-B221-14 StencilCont 938141 OUR ORDER NUMBER CERTIFICATION SPECIFICATION

Dames.

AMS-QQA-200/8 Rev-A

RoHS 2011/65/EU Compliant

D. Schroeder (Canada) SALESPERSON MGSG-4.000 +.012/-.0 DESCRIPTION 5400378112 ALSQ00013 CUSTOMER PART NUMBER CUSTOMER PO

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification.

Tovision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Names produced and certified as 6061-T6511 also meet the requirements of 6061-T6.

144 pcs

2,056 lbs

Quantity Certified

ThyssenKrupp Materials NA-Concord, ON

Thyssenkrupp Materials NA

All aluminum products supplied by Service Center Metals, LLC contain no functional mercury. Neither mercury nor its compounds are used in the manufacture of aluminum products supplied by Service Center Metals have not, to the best of our knowledge, contacted any source of mercury.

SCM is ISO 9001-2015 certified

This product is RoHS-2, REACH, and DFARS compliant.

Mechanical Properties Lot No. 201719989 Tests 15

Percent	max
longation	18.80
Elo	min 11.60
Yield Strength	max
(KSI)	49.90
Yield S	min 42.50
Tensile	max
h (KSI)	53.00
Ultimate Tensile	min
Strength (KSI)	45.90
Test Date	12/5/17

Chemical Composition for Aluminum Alloy 6061	composition	n for A	lumine	ım Allo	y 6061									
Cast #	Lot No.	Alloy	<u>\\ \S\</u>	<u>a</u>	3	M	Mg	히	Zu	i=I	A.	Ot Each	Others Total	Melt Source:
001E171125B 201719989 6061	201719989	6061	0.75	0.37	0.31	0.11	0.87	0.11	0.10	0.03	97.35	200	C.	Inthod States and
201E171127K 201719989	201719989	6061	0.72	0.37	0.31	0.09	0.88	0.11	0.08	0.03	97.41	0.05	0. C	United States of America
001E175429B 201719989	201719989	6061	0.74	0.37	0.32	0.11	0.89	0.10	0.06	0.03	97.38	0.00	2 0	Wited States of America
©31J171103B 201719989	201719989	6061	0.75	0.38	0.33	0.10	0.92	0.10	0.06	0.03	97.32	0.05	0.75	United States of America

SCM products are melted and extruded in the USA

Calvin J. Wiggins, Director of Quality & Technical Services

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Rev 7/20/17

## MATERIAL RECEIPT INSPECTION FORM

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	S CHECK.	M A HARDNES	ND PREFOR	ERIAL A	TAM	OE	CUT SAMPLE PIECE
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					(Y)	٨	DOES THIS MATERIAL REQUIRE  ENGINEERING SIGN OFF
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		EL 61	DX1084	Hoch	N	为	CORRECT REF # TO LINK CERT
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Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

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PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117.

QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160) OR ASTM B211 OR ASTM B221

PART NUMBER:

M6061T6B T.TTT X WW.WWW

THICK

MIDTH

WHERE "T.TIT" = THICKNESS IN INCHES
"WW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

DELEASED 2009-09-03

APPROVED MFG. APPR CHECKED DRAWN B REMOVE QQ-A-250/11 OPTION, REFORMAT NOTES, ADD ASTM 8211/B221 (ZN D7-1) 09.07.13 M6061T6B 6061-T6 BAR DESCRIPTION DART AEROSPACE LTD SQ SQ CP SHEET 1 OF 09 07 13 01 06 08 DATE REV. B

QD

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Can Do.

Service Center Metals

Prince George, VA 23875

5850 Quality Way

## CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

Made In

942151 OUR ORDER NUMBER

ASTM-B221-14-StencilCont CERTIFICATION SPECIFICATION

2/6/2018

MRB0477

357338

MAWFEST NUMBER

DIE NUMBER

SALESPERSON

5061-T6511

5400381107

ThyssenKrupp Materials NA-Concord, ON

Thyssenkrupp Materials NA

CUSTOMER PO

CUSTOMER PART NUMBER

108pcs

3,084 lbs

Quantity Certified

DESCRIPTION

DATE OF SHIPMENT

Vanos

RoHS 2011/65/EU Compliant

AMS-QQA-200/8 Rev-A D. Schroeder (Canada)

revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-76511 also meet the requirements of 6061-75. MORB 1.000 x 2.000 We hareby certify that the material covered by this report has been inspected in accordance with the most recent certification **ALREC00173** 

All aluminum products supplied by Service Center Metals, LLC contain no functional mercury. Neither mercury nor its compounds are used in the manufacture of aluminum products supplied by Service Center Metals have not, to the best of our knowledge, contacted any source of mercury.

SCM is ISO 9001-2015 certified

This product is RoHS-2, REACH, and DFARS compliant.

Mechanical Properties 201801773 Lot No. Tests 10

ml	min 15.
Yield Strength (KSI)	max 48.50
Yield	min 44.10
Tensile h (KSI)	max 51.50
Strength (KSI)	min 47.80
lest Date	2/4/18

02/28/2018

19.40 max

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Percent

2405789209

Date

CEFOR 39131

following for monted the manner	on sodino													
Cast#	Lot No.	Alloy	ଊ	립	리	M	Mg	ଧ	Zu	F	A	Oth Each	Others	Melt Source:
001E180126C 201801773 6061	201801773	6061	0.77	0.38	0.32	0.10	0.92	0.10	20.0	0.03	97.31	0.05	0.15	United States of America
001J180130A 201801773	201801773	6061	0.75	0.38	0.32	0.10	0.90	0.11	0.09	0.03	97.32	0.05	0.15	United States of America
01151802	201801773	6061	0.73	0.40	0.31	0.10	06.0	0.08	0.08	0.02	97.38	0.05	0.15	United States of America
01221802	201801773 6061	6061	0.74	0.38	0.30	0.10	0.89	0.09	0.09	0.03	97.38	0.05	0 15	United States of America

SCM products are melted and extruded in the USA

Cathr cast.

Mgt : 57 LB

, AD

DART AEROSPACE LTD

TK Materials

Print Date: 2/6/2018

Rev 7/2047

Calvin J. Wiggins, Director of Quality & Technical Services

## MATERIAL RECEIPT INSPECTION FORM

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Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

RELEASEN

REV. B SCALE SHEET 1 OF 1 09.07.13 01.08.08 DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
DRAWING NO.
R
M6061T6B
SHEET TITLE

6061-T6 BAR

COPYRIGHT 2509 BY DATA LETOSPACE LTO

COPYRIGHT 25 g B REMOVE OQA-350/11 OPTION, REFORMAT NOTES, ADD A STM B211/B221 (ZN D7-1)
A NEW ISSUE MFG. APPR.
APPROVED
DE APPR.
DATE CHECKED DESIGN

09.07.13

PURCHASE MATERIAL: 6061-76/7651/76510/76511/762 ALUMINUM BAR

SPECIFICATION CONTROL DRAWING

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SPECIFICATION:

**(9**)

QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR QQ-A-200/8 OR AMS-QQA-200/8 (OR AMS 4160) OR ASTM B211 OR ASTM B221\*

PART NUMBER:

M6061T6B T.TTT | X | WW.WWW WIDTH THICK

WHERE "T.TTT" = THICKNESS IN INCHES "WW." = WIDTH IN INCHES

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E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

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## CERTIFIED TEST REPORT

http://Online.KaiserAluminum.com





KALAMAZOO, MI 49048 2502 KAISER DRIVE FABRICATED PRODUCTS, LLC KAISER ALUMINUM

<b>GAOR</b>	AGAI		PO BOX 5116			
			SOLD TO:			
JQ 000.88	.29 83	997129				TH 000.51
CUANTITY:	1/8	B/L NUMBER:	DIAM/DAF/THKUS:	MIDIM		'AUBNET
100	05/	02/09/2018	1: 82290100Z	1909	1	d/11891)
: LINE ITEM:	IIHS	:3TAO 9IH2	KAISER LOT NUMBER:	MOTTE	Υ -	TEMPER
	ALREC0027	4750	BA9 000.8 X 037.	CIBION N	<b>AA8 30IV</b>	
:	RAS REMOTEUS	PART NUMBER:	PRODUCT DESCRIPTIO	:N		
2	ФИАИПТУ: 88.000 РС САИАДА	АГКЕСОО РСS 88,000 РСS 88,000 РСS	ROAD  CANADA  ROAD  RAL NUMBER:  001  007  007  008  007  008  8/L NUMBER:  1000  1001	ALRECO0274	ALRECO0274   ALRECO0274   ALRECO0274   ALRECO0274   ALRE	CANADA   ROLD   PATE:   CANADA   CANADA   PATE:   CANADA   CANAD

## Actual Physical Properties

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BEND	CONDUCT.	NESS	IAAH	ETONG#	XIS(KSI)	OTS (KSI)	SAMPLE#	#HSVQ	KEFEKENCE

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Applicable Requirements:

conforms to T6-not applicable to other tempers) ASTM-BZ21)14 STENCILED ASME-SB221 2009 SECT II AMS-QQ-A-200/8A UNS#A96061 (T6511 also

## Miscellaneous Notes

OF ITS COMPOUNDS ARE UTILITZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL. MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS, NEITHER MERCURY NOR ANY MANUFACTURED IN USA MELTED IN USA

Test reports are on file, subject to examination. Kaiser's general terms and conditions of sale. description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on inspected and tested and found in conformance with applicable specifications forming a part of the hereby certifies that metal shipped under this order has been Kaiser Aluminum Fabricated Products, LLC CERTIFICATION

Page 1 of 1

Macnowski, Quality & Technology Manager

Plant Serial: 00321057

Line Item: 001

Kaiser Order Number: 6047474

Cust. DART AEROSPACE LTD From: TK Materials CA, Ltd.

Cathr

Mgt : 64 LB

Date 02/28/2018

CEFOR BOIST Del:: 2405789212

## MATERIAL RECEIPT INSPECTION FORM

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Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

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:3TAQ

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR SPECIFICATION:

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QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160) OR ASTM B211 OR ASTM B221

**B** 

PART NUMBER:

M6061T6B T.TTT X WW.WWW

THICK

HTGIW

WHERE "T.TTT" = THICKNESS IN INCHES
"WW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

DE APPR. CHECKED MFG APPR. APPROVED DRAWN DESIGN B REMOVE QQ.A-259/11 OPTION, REFORMAT NOTES, ADD ASTM B211/B221 (ZN D7-1) NEW ISSUE 09.07.13 DESCRIPTION 6061-T6 BAR DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
DRAWING NO.
M6061T6B SHE COPYRIGHT © 2001 BY DARY AEROSPACE LTD.

IN DECLARATE MANNER AND THE MESTA AND STAFF CONTROL OF THE STAFF CONTROL SO ç SHEET 1 OF 1 09 07.13 DATE 01 06 08 REV. 8 SCALE

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## Service Center Metals

Prince George, VA 23875 5850 Quality Way

## CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

941295

OUR ORDER NUMBER

CERTIFICATION

ASTM-B221 J14 StencilCont

SPECIFICATION AMS-QQA-200/8 Rev-A

ThyssenKrupp Materials NA-Concord, ON

BILL TO

Thyssenkrupp Materials NA

**Quantity Certified** 5,988 lbs

168pcs

CUSTOMER PART NUMBER ALREC00726 5400383505 CUSTOMER PO

MANIFEST NUMBER

DIE NUMBER

DATE OF SHIPMENT

1/25/2018

ALLOY/ TEMPER 6061-T651<u>1</u>

MRB1792

356210

DESCRIPTION

MQRB 1.250x2.000

SALESPERSON D.Schroeder (Canada)

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6

All aluminum products supplied by Service Center Metals, LLC contain no functional mercury. Neither mercury nor its compounds are used in the manufacture of aluminum products at our facility. Furthermore, aluminum products supplied by Service Center Metals have not, to the best of our knowledge, contacted any source of mercury. SCM is ISO 9001-2015 certified

This product is RoHS-2 REACH

5 201800937	Mechanical Properties  Tests Lot No.	
1/22	Test	TO ACCUSE TO TOTO - C. KITACIT, and OTAKU compliant.
1/22/18	Date	
min 50.30	Ultimate Tensile Strength (KSI)	
max 52.60	ensile (KSI)	
min 47.10	Yield Strength (KSI)	
max 49.20	rength	
min 15.80	Percent Elongation	
max 18.90	ent	

	Mannin	un And	Jy out I									
Alloy	<u> S</u>	Fe	CL	M <sub>D</sub>	Mg	<u> </u> C	Zn	<u> </u>	A	Ot <u>Each</u>	hers Total	Melt Source:
6061	0.75	0 0 3	0.31	0.10	0.91	0.10	0.06	0.03	97.37	0.05	0.15	United States of America
6061	0.72	0.38	0.33	0.11	0.92	0.10	0.09	0.03	97.28	0.05	0.15	United States of America
extrude	d in the I	USA					2	1		,		Print Date: 1/25/2018
	Cast # Lot No. Alloy  001E180112A 201800937 6061  001E180119B 201800937 6061  001J180116B 201800937 6061	Alloy Si 6061 0.75 6061 0.76 6061 0.72 extruded in the	Cast #         Lot No.         Alloy         Si         Fe           001E180112A         201800937         6061         0.75         0.38           001E180119B         201800937         6061         0.76         0.38           001J180116B         201800937         6061         0.72         0.39           SCM: products are melted and extruded in the USA	Alloy Si Fe Cu 6061 0.75 0.38 0.31 6061 0.76 0.38 0.33 6061 0.72 0.39 0.33 extruded in the USA	- <u>Cu</u> 38 0.31 38 0.33 39 0.33	E CU Mn  38 0.31 0.10  38 0.33 0.11  39 0.33 0.10	E Cu Mn Mg  38 0.31 0.10 0.91  38 0.33 0.11 0.92  39 0.33 0.10 0.88	E Cu Mn Mg Cr Z 38 0.31 0.10 0.91 0.10 0.0 38 0.33 0.11 0.92 0.10 0.0 39 0.33 0.10 0.88 0.10 0.0	E Cu Mn Mg Cr Z 38 0.31 0.10 0.91 0.10 0.0 38 0.33 0.11 0.92 0.10 0.0 39 0.33 0.10 0.88 0.10 0.0	E Cu Min Mig Cr Zn Ti  38 0.31 0.10 0.91 0.10 0.06 0.03 38 0.33 0.11 0.92 0.10 0.09 0.03 39 0.33 0.10 0.88 0.10 0.08 0.03	Ee Cu Mn Mg Cr Zn Ti AL Each 38 0.31 0.10 0.91 0.10 0.06 0.03 97.37 0.05 38 0.33 0.11 0.92 0.10 0.09 0.03 97.28 0.05 39 0.33 0.10 0.88 0.10 0.08 0.03 97.37 0.05	Other Cu Mn Mg Cr Zn Ti AL Each  38 0.31 0.10 0.91 0.10 0.06 0.03 97.37 0.05  38 0.33 0.11 0.92 0.10 0.09 0.03 97.28 0.05  39 0.33 0.10 0.88 0.10 0.08 0.03 97.37 0.05

Calvin J. Wiggins, Director of Quality & Technical Services

Rev 7/20/17

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## MATERIAL RECEIPT INSPECTION FORM

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105/18	1850 ON				7.0	$\mathcal{H}$	MATERIAL: MCO.

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

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PURCHASE MATERIAL, 6061-T6/T62 ALUMINUM SHEET SPECIFICATION QQ.A-250/11 OR AMS-QQ.A-250/11 OR AMS-4025 OR AMS 4027 OR ASTM B209

0

OR AMS 4027 OR ASTM B209 M6061T6S:XXX THK

8

PART NUMBER:

WHERE ".XXX" = SHEET THICKNESS (IN INCHES)
EG. 0.063" THICK SHEET = M606176S.063

PREFERRED SIZE:

XXX BY 4FT BY 8FT

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2009 -09-10

	REF PAR 08-020A	DWG, ADD	REFORMAT DWG, ADD 8209 SPEC (ZN D8-1), REF PAR 08-020A	ÇP	09.07.13
>	NEW ISSUE			DS	01.06.08
REV			DESCRIPTION	ВУ	DATE
DESIGN		7	DART AFROSPACE LTD	CEL	Ö
DRAWN		D	HAWKESBURY, ONTARIO, CANADA	, CANAL	A
CHECKED	ED	12	DRAWING NO.		REV. B
MFG. APPR	PPR.		M6061T6S		SHEET 1 OF 1
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D3 / V Nr.: 89055159

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Datum / date:

Inspection certificate - mill certificate Abnahmeprüfzeugnis 3.1 (EN 10204)

Zertrifiziert nach / certified to ISO 9001, ISO/TS 16949, ENAS 9100, ISO 14001, NADCAP

	smrst \ negnugnibe8	Produkt / product
		1500 Cherokee Pkwy ACWORTH GA 30102-1603 USA
93153098 15 70 710S	Lieferschein Nr. / delivery note: Datum / date:	Warenempfänger / consignee: CBS Atlanta
130077 2017 04 13	Auftragebeet, Nr. / order confirm no.: Datum / date:	SOUTHFIELD MI 48086
2017 03 02 5400342513-R01	Bestell Nr. / order no.: Datum / date:	Auftraggeber / customer: ThyssenKrupp Materials NA Copper and Brass Sales Division

Technische Lieferbedingungen / techn. spec.:

7991.80 11/02S-A-00-SMB-V

st102, 209-82 3MSA 8002.70 ,NT204 SMA AT - 605 8 MTSA

Sondervorschrift / special terms:

Werkstoff / material: 6061 Form / form: Sheet

Dim / dim.: [inch]: 0,080x48,00x144,00 2 Tegmet / bnstau

Kundenartikel Nr. / cust. article no.: ALFLR01650

SZ	991 754,830 bs	1300770061	1909	7/6245800/10	00	10/26078	90
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BNNLOS	DuetauZ	Richtung	2129T		STU	SY	"SA	

Waßkontrolle: OK. / Dimensional Check: OK. B egeversuch: OK. / Transverse bend test; OK.

Oberfläche: OK. / Surface inspection: OK



Josef Klampfer

Abnahmeprüfzeugnis 3.1 (EN 10204)

Abnahmeprüfzeugnis 3.1 (EN 10204)

Inspection certificate - mill certificate

Seite / page: 2 von / of 2

2017 06 28

-

Datum / date:

Zertifiziert nach / certifled to ISO 9001, ISO/TS 16949. EN/AS 9100, ISO 14001, NADCAP

Вететкилдел / побез

Werksachverständiger / factory specialist

Gegossen und gefertigt in Osterreich / Country of melt and manufactured in Austria

Es wird bestätigt, dass die Lieferung geprüft wurde und den Vereinbarungen bei der Bestellung entspricht. We hereby certify that the material described above has been tested and complies with the terms of the order contract.

je.geme@najdmela.lasoj

E-Mail / e-mail

Herstellerland: Österreich / goode origin: The goods are of Austrian origin. Maschinell erstellt - Gültig ohne Unterschrift / Automated - valid without being signed.

AMAG rolling GmbH, Postfach 32, A-5282 Ranshofen, Österreich - <u>www.amag.at</u> AMAG rolling GmbH, P.O. Box 32, A-5285 Ranshofen, Austria - <u>www.amag.at</u>

## MATERIAL RECEIPT INSPECTION FORM

		:∃TAQ			8	2011	S O AAM8-8	:3TAQ		
	SIGNED OFF BY:					NSPECTED BY: DAS				
ENGINEERING SIGNOFF (if required)					18 INSPECTION				C 18	
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					N	<b>B</b>		CORRECT FIN		
					(N)	Α	39A	MAG EDAM		
COWMENTS					(Check		N/C	DESCRIPTION		
STINAMMOS					NCE		NOITAIADSEG			

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

0

PURCHASE MATERIAL: 6061-T6/T62 ALUMINIAM SHEET
SPECIFICATION:

OR AMS 4025 OR AMS 4027
OR ASTM B209 PART NUMBER: M6061T6S .XXX

B

O

WHERE ".XXX" = SHEET THICKNESS (IN INCHES)

EG. 0.063" THICK SHEET = M6061T6S.063

PREFERRED SIZE:

XXX BY 4FT BY 8FT

MFG. APPR. DATE DESIGN DE APPR. APPROVED REV. B REFORMAT DWG, ADD B209 SPEC (ZN D8-1), REF PAR 08-020A NEW ISSUE 09.07.13 HAVWKESBURY, ONTARIO, CANADA
PRAWING NO.
M6061T6S
SH 6061-T6 SHEET SPEC NITE

COPPRISH TO 2001 BY DART ARROSTAGE UTD

INCOCAMULTUM TO STREET AND AUGUSTUM TO STREET AND AUGUSTUM TO STREET AND AUGUSTUM TO STREET AUGUSTUM DART AEROSPACE LTD DS SQ CP REV. B SHEET 1 OF 1 09.07.13 DATE 01.06.08 SCALE

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D

Aerospace and Transportation Constellium Valais SA Route des Laminoirs CH-3960 Sierre



Sales Contact Certificate Dpt :
Sales Contact
Customer No.
Our Confirmation No.
Dated
Project
Your Order
INSPECTION CERTII According To Disp. Advice / Cert Dated 26/07/2017

THYSSENKRUPP MATERIALS NA

CA LAK 5C6 CONCORD 2821 LANGSTAFF ROAD

ALUMINIUM PLATE IN 6061 T651 MILL FINISH MCCording to MS4027N

Production N

2.14 0.94 1991 11 1-99919X 91 9.14 4.94 1991 X21665-2 Measured values xsm-nim xem-nim 169T >=32 >=45 TISTU Lot-sample 1emper TS 0.2%/T The indicated values are in kai for UTS and YS and % for A Mechanical and technological properties sdJ 21.9948 **99919X** 0.312" x 48.50" x 144.50" 58 1910629

**Villing** 

Weight

The indicated values are in % by weight

Chemical composition

tol gnilloA

Your article:

1	11	u7	!N	10	ВW	uW	Cn	94	IS	Casting No
				₽0.0	8.0		31.0		04.0	niM
	31.0	0.25	60.05	35.0	S.T	31.0	04.0	7.0	8.0	XsM

Other elements are compliant to the requirement: Each <= 0.05% Total <= 0.15%

Dimensions

(emark

Product conforms to AMS4027N.

Technical characteristics of this product do also comply with CATA B209-14, ASTM B2

Casting and heat treatment of the referenced lot has been performed by Constellium Valais SA, Switzerland

Management System certified ISO 9001 / ISO 14001 / OHSAS 18001 A. Thurre (WSW.)
Quality Plates
Valid without signature

Definition of abbreviations on demand